

Title (en)
RESPIRATORY CARE APPARATUS

Title (de)
ATEMSCHUTZVORRICHTUNG

Title (fr)
APPAREIL DE SOINS RESPIRATOIRES

Publication
EP 3419706 A4 20191120 (EN)

Application
EP 16891343 A 20161130

Priority
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Abstract (en)
[origin: WO2017144963A2] Described herein is a respiratory care apparatus capable of performing multitude of therapy for secretion management and breath assistance therapy. The respiratory care apparatus comprises an electromechanical air router assembly (EARA) and an interfacing assembly. The EARA includes independent first and second pressure generating sources for assisted inhalation/insufflation and assisted exhalation/exsufflation process. The interfacing assembly includes a patient interface port and a patient interface tube. The interfacing assembly forms two pneumatically separate paths. The respiratory care apparatus is configured to generate alternate positive and negative pressure at the patient interface port for assisted inhalation/insufflation and assisted exhalation/exsufflation processes respectively. The assisted inhalation/insufflation and assisted exhalation/exsufflation processes are carried out independently through separate conduits/passages to reduce contamination and infection. Further, the respiratory care apparatus comprises a garment which oscillates due to alternate positive and negative pressure generation and provides therapy to the patient.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
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• [A] US 6209540 B1 20010403 - SUGIURA YASUHIRO [JP], et al
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WO 2017144963 A2 20170831; **WO 2017144963 A3 20180329**; AU 2016394860 A1 20180913; AU 2016394860 A2 20181025; AU 2016394860 B2 20220714; EP 3419706 A2 20190102; EP 3419706 A4 20191120; EP 3419706 B1 20220223; JP 2019505355 A 20190228; US 11529478 B2 20221220; US 2019298947 A1 20191003; US 2023263974 A1 20230824

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